



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

"image" "aberration" "zernike" "simulation"

**Search**

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

**Scholar** All articles - [Recent articles](#) Results 1 - 10 of about 1,870 for "image" "aberration" "zernike" "simulat

Tip: Looking for pictures? Try [Google Images](#)

### [Determination of high-order lens aberration using phase/amplitude linear algebra](#)

H Fukuda, K Hayano, S Shirai - *Journal of Vacuum Science & Technology B: Microelectronics* ..., 1999 - [link.aip.org](#)

... carried out assuming the obtained aberration coefficients, and ... with scanning electron microscopy images of real ... which can account for Zernike lens aberrations ...

[Cited by 53](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### [Increased higher-order optical aberrations after laser refractive surgery A problem of subclinical ...](#)

M Mrochen, M Kaemmerer, P Mierdel, T Seiler - *Journal of Cataract & Refractive Surgery*, 2001 - Elsevier

... changes and the calculated changes in Zernike coefficients. ... less than 1.0 mm on ocular aberrations means there ... by the surgeon—the first Purkinje image (P) of ...

[Cited by 178](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### [HTML] [► Impact of lens aberrations on optical lithography](#)

TA Brunner - *Journal of Research*, 1997 - [research.ibm.com](#)

... member of the first eleven Zernike aberrations, but similar ... Both coma and spherical aberration were found to cause larger image deviations when was small ...

[Cited by 88](#) - [Related articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#) - [All 8 versions](#)

### [Aberration retrieval using the extended Nijboer-Zernike approach](#)

P Dirksen, J Braat, AJEM Janssen, C Juffermans - *Journal of Microlithography, Microfabrication, and ...*, 2003 - [link.aip.org](#)

... image intensity using the retrieved Zernike coefficients and compared it with the experimental image intensity as ... The dominant aberration is 5th-order X-coma ...

[Cited by 15](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#)

### [CITATION] [Dynamics of the eye's wave aberration](#) - [► UMLES \(PDF\)](#)

H Hofer, P Artal, B Singer, JL Aragón, DR Williams - *Journal of the Optical Society of America A*, 2001 - OSA

... this simulation was 128 sets of Zernike coefficients describing ... for PA's static wave aberration would have ... have clearly seen in the HS image sequences, were ...

[Cited by 151](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 35 versions](#)

### [CITATION] [One-dimensional spectral of turbulence-induced Zernike aberrations: time-delay and isoplanicity](#)

...

F Roddier, MJ Northcott, JE Graves, DL McKenna, D ... - *JOURNAL-OPTICAL SOCIETY OF AMERICA A*, 1993 - OSA

[Cited by 81](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 8 versions](#)

### [The tuning of a Zernike phase plate with defocus and variable spherical aberration and its use in ...](#) -

[► er-c.org \(PDF\)](#)

M Lentzen - *Ultramicroscopy*, 2004 - Elsevier

... by lens aberrations, by an ideal Zernike phase plate ... proper choice of defocus and spherical aberration still yields ... and non-linear part of the image intensity. ...

[Cited by 21](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### [CITATION] [Statistical variation of aberration structure and image quality in a normal population of healthy](#)

...

LN Thibos, X Hong, A Bradley, X Cheng - *Journal of the Optical Society of America A*, 2002 - OSA

[Cited by 145](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 11 versions](#)

### [Measuring optical image aberrations with pattern and probe based targets](#)

G Robins, K Adam, A Neureuther - *Journal of Vacuum Science & Technology B: Microelectronics* ..., 2002 - [link.aip.org](#)

Measuring optical image aberrations with pattern and probe based ... the ability of

programmed-probe based aberration targets to measure individual Zernike terms ...

[Cited by 12](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

[CITATION] **Algorithm to increase the largest aberration that can be reconstructed from Hartmann sensor ...**

MC Roggemann, TJ Schulz - APPLIED OPTICS, 1998 - OSA

[Cited by 26](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 10 versions](#)

Key authors: [S Marcos](#) - [L Thibos](#) - [P Artal](#) - [J He](#) - [R Applegate](#)



Result Page:    [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)    [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2008 Google